



Rewarding Learning

ADVANCED SUBSIDIARY (AS)
General Certificate of Education
2018

Centre Number

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Candidate Number

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Geography

Assessment Unit AS 3

assessing

Fieldwork Skills and Techniques in Geography



SGG31

[SGG31]

THURSDAY 31 MAY, MORNING

TIME

1 hour.

INSTRUCTIONS TO CANDIDATES

Write your Centre Number and Candidate Number in the spaces provided at the top of this page.

Write your answers in the spaces provided in this question paper.

Answer **all** questions.

You are provided with an O.S. map for use with **Question 2**.

Do **not** write your answers on this map.

At the conclusion of this examination, attach your fieldwork report and table of data securely to this paper using the treasury tag supplied.

There are two pages at the back of this booklet for use as continuation sheets as required.

INFORMATION FOR CANDIDATES

The total mark for this paper is 60.

Quality of written communication will be assessed in **Questions 1(b)(ii) and 2(a)(iv)**.

Figures in brackets printed down the right hand side of pages indicate the marks awarded to each question or part question.

For Examiner's use only		
Question Number	Marks	Remark
1		
2		
Total		

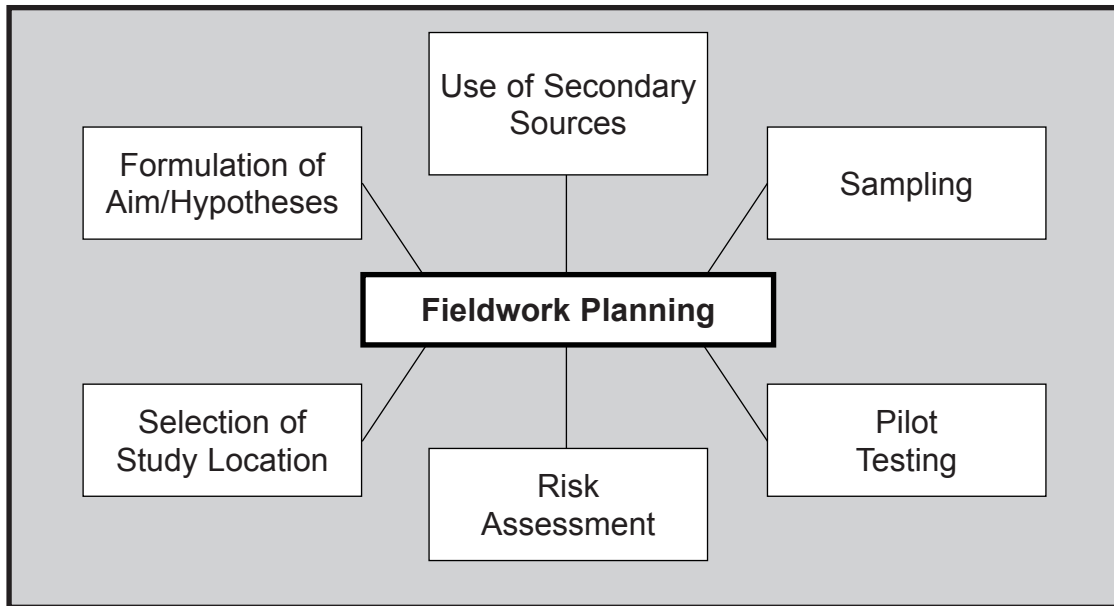
Answer **all** questions

Submitted summary of fieldwork and table of data.

At the end of the examination these should be attached securely to this paper using the treasury tag supplied.

- 1 (a) Study **Resource 1A**, which shows some important factors for consideration in fieldwork planning.

Resource 1A



Source: Principal Examiner

Select **two** factors from **Resource 1A** and discuss fully how they contributed to **your fieldwork** planning.

Factor 1

[4]

Examiner Only	
Marks	Remark

Factor 2

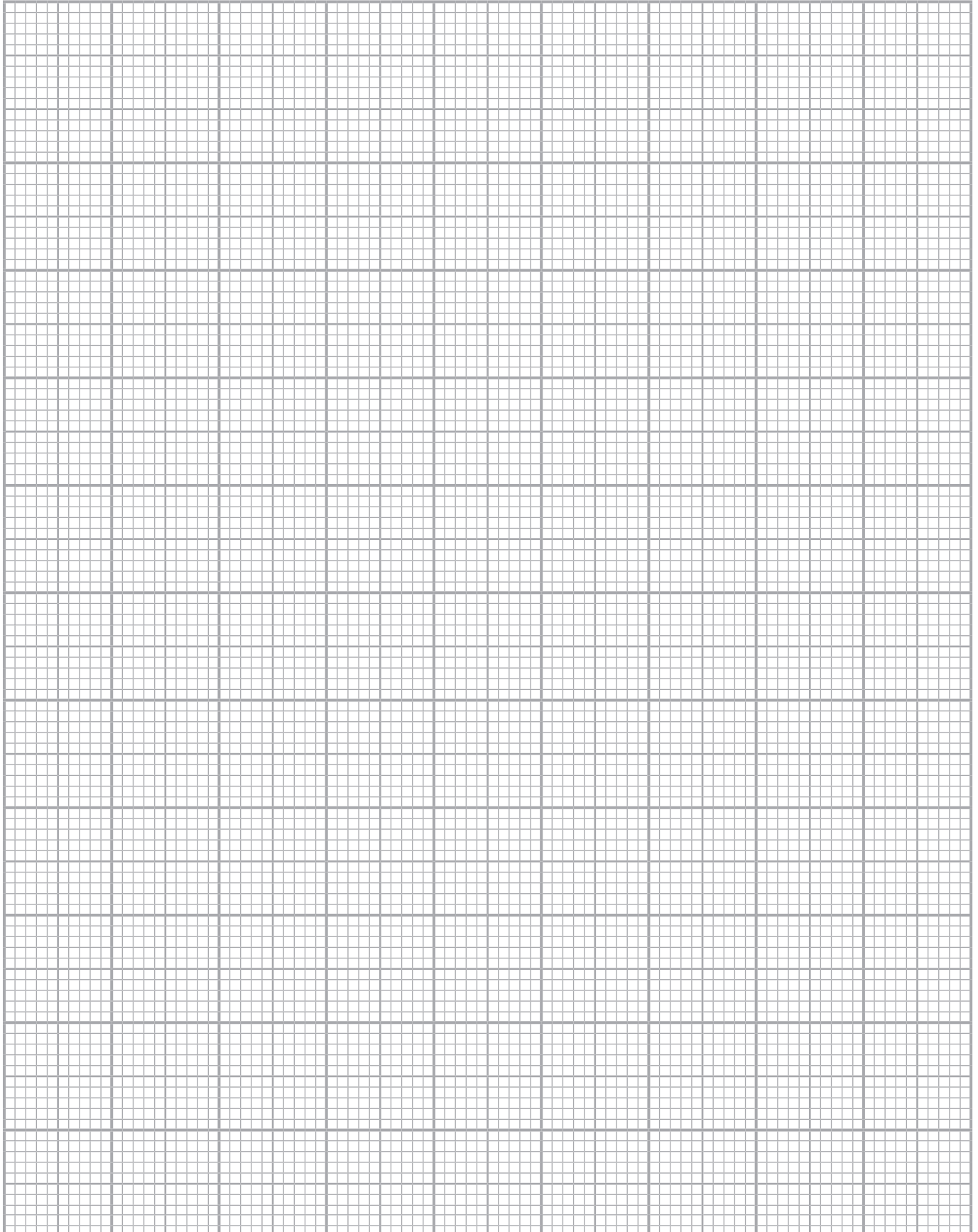
[4]

Examiner Only	
Marks	Remark

- (b) (i) Select an appropriate graphical technique to present some or all of the data displayed in your table. Your graph must be relevant to the aim/hypothesis of your fieldwork. [7]

Title of Graph _____

Examiner Only	
Marks	Remark



- (ii) With reference to any **one** of the variables displayed on your graph, identify and explain **one** factor which may have influenced the accuracy of the data collected in the field.

[5]

Examiner Only	
Marks	Remark

(c) Explain the purpose of statistical analysis in a fieldwork investigation and discuss why your chosen statistical method was relevant to the **aim of your fieldwork**.

[6]

(d) Outline **one** way in which your fieldwork could be extended, and explain how this could provide a more reliable geographical conclusion.

[4]

Examiner Only	
Marks	Remark

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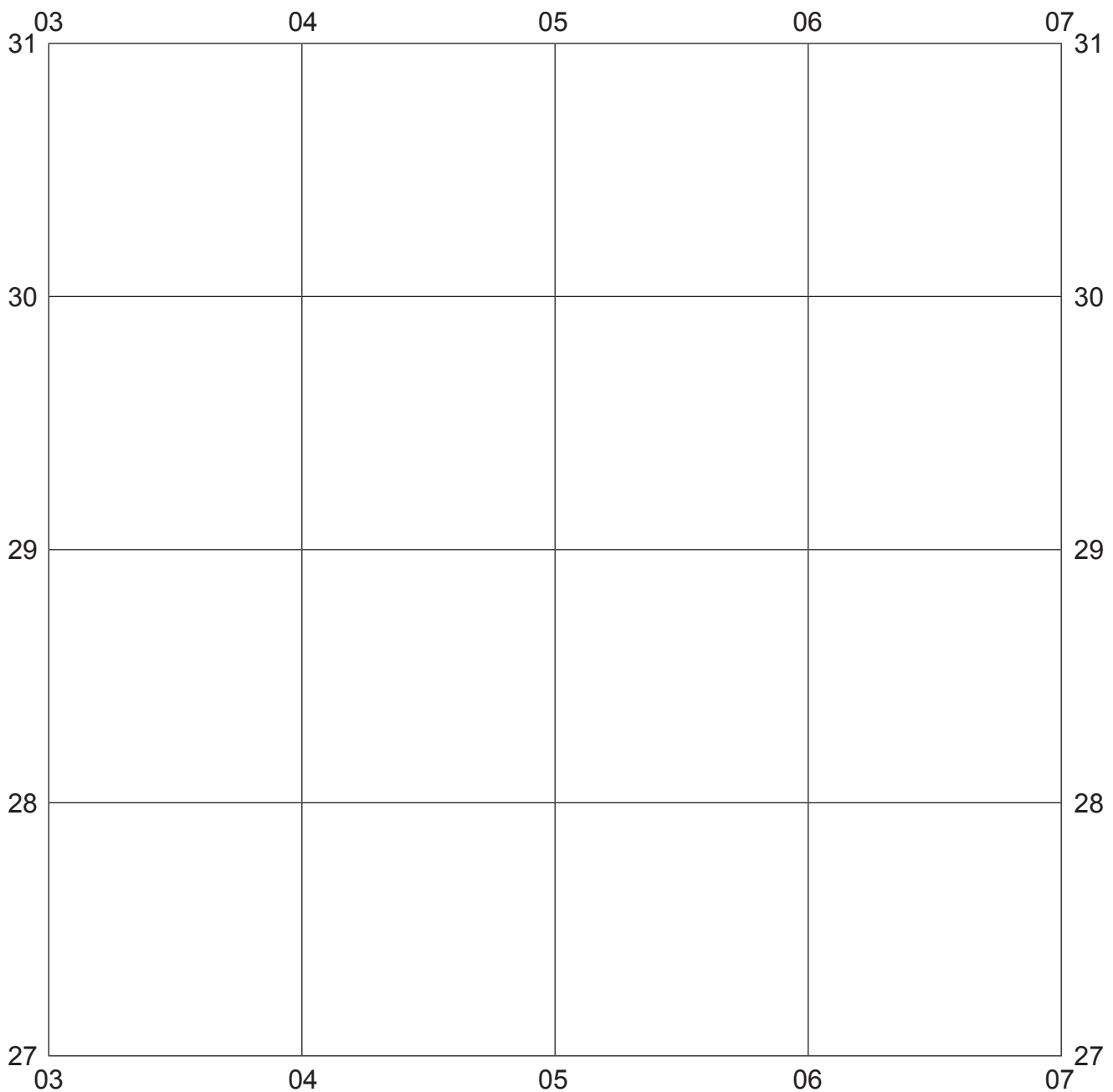
2 (a) (i) Study **Resource 2A** (see insert), an Ordnance Survey map illustrating part of the course of the River Usk/Afon Wysg in the Brecon Beacons National Park, Wales.

On the grid below, use **Resource 2A** to draw a sketch map representing the area between Eastings 03 and 07 and Northings 27 and 31.

Draw **and** label **only** the following:

- The course of the River Usk/Afon Wysg [2]
- The National Park boundary [1]
- One spot height [1]
- One tourist activity or facility [1]

Examiner Only	
Marks	Remark



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(Questions continue overleaf)

- (ii) Study **Resource 2B**, a table providing rainfall and river level data for the River Usk/Afon Wysg, recorded at a monitoring station in grid square 0428 for a 24 hour period, and **Resource 2C** on page 11, a partially completed graph illustrating the data.

Complete **Resource 2C** using the data provided in **Resource 2B**.
[6]

Resource 2B

Date	Time (hours)	Rainfall (mm)	River Level (m)
3rd December 2015	1200	0.0	1.1
	1400	0.0	1.0
	1600	2.5	0.9
	1800	23.7	0.9
	2000	26.5	2.4
	2200	8.4	3.2
4th December 2015	0000	4.5	2.5
	0200	1.5	1.9
	0400	0.0	1.4
	0600	0.0	1.2
	0800	0.0	1.1
	1000	0.0	1.0
	1200	0.0	0.9

Source: Principal Examiner

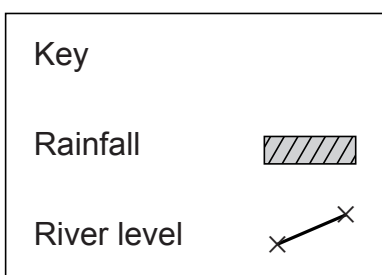
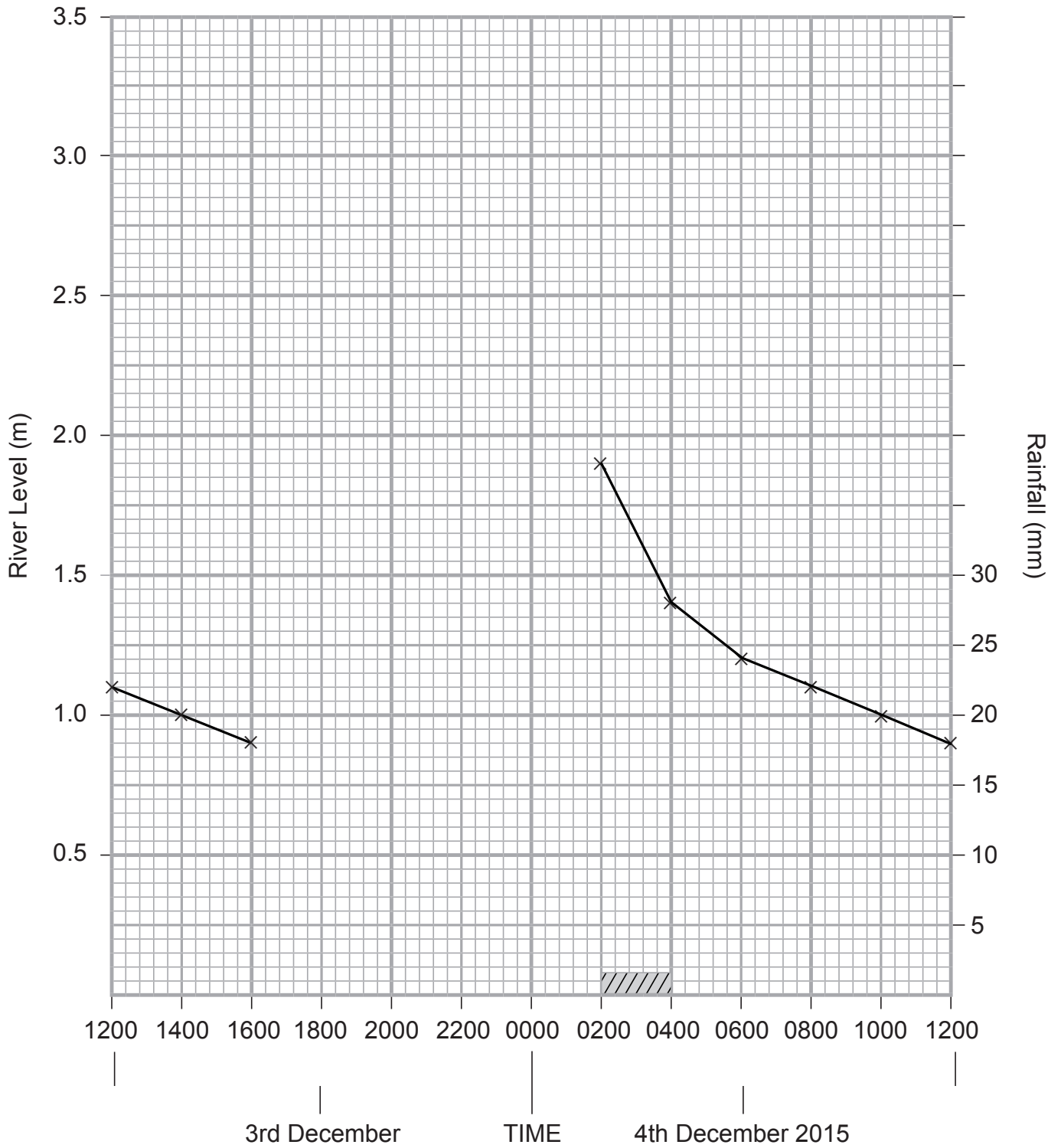
- (iii) Calculate the range for the river level data presented

in **Resource 2B**. _____ m [1]

Examiner Only	
Marks	Remark

Resource 2C

Rainfall and River Level data for the River Usk/Afon Wysg



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(b) A student planned a survey to investigate tourism in the Brecon Beacons National Park. Study **Resource 2D** on page 15 which illustrates part of the questionnaire used for data collection.

(i) With reference to Question 7 in **Resource 2D**, explain **one** weakness of this style of question.

[2]

(ii) State **one** other weakness in the design of **this** questionnaire.

[1]

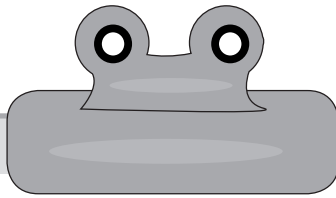
(iii) Select **one** factor from the list below and explain why it needs to be considered when carrying out this survey to ensure reliable data collection.

- **Survey site**
- **Day of the week**
- **Month of the year**

[3]

Examiner Only	
Marks	Remark

Resource 2D



1. Is this your first visit to the Brecon Beacons National Park?

Yes:
No:

2. Where have you travelled from to visit the Brecon Beacons National Park?

3. How far have you travelled to get here?

<5 km	<input type="checkbox"/>	25 – 35 km	<input type="checkbox"/>
5 – 15 km	<input type="checkbox"/>	35 – 45 km	<input type="checkbox"/>
15 – 25 km	<input type="checkbox"/>	>45 km	<input type="checkbox"/>

4. How much money do you expect to spend during your stay at the park?

<£150.00	<input type="checkbox"/>	£450.00 – £599.99	<input type="checkbox"/>
£150.00 – £299.99	<input type="checkbox"/>	£600.00 – £850.00	<input type="checkbox"/>
£300.00 – £449.99	<input type="checkbox"/>	>£850.00	<input type="checkbox"/>

5. Which, if any, of these attractions or popular sites have you visited/do you intend to visit? Tick all that apply.

Visitor Centre	<input type="checkbox"/>	Big Pit Mining Museum	<input type="checkbox"/>	Talgarth Mill	<input type="checkbox"/>
Brecon Cathedral	<input type="checkbox"/>	National Showcaves	<input type="checkbox"/>	Carreg Cennen Castle	<input type="checkbox"/>
Blaenavon Ironworks	<input type="checkbox"/>	Dinefwr	<input type="checkbox"/>	Garwnant	<input type="checkbox"/>
Pendryn Whisky Distillery	<input type="checkbox"/>	Craig-y-nos Country Park	<input type="checkbox"/>	Mountain Railway	<input type="checkbox"/>

6. Which, if any, of these activities have you participated in/do you intend to participate in during your time at the park? Tick all that apply.

Stargazing	<input type="checkbox"/>	Visiting restaurants	<input type="checkbox"/>	Water sports	<input type="checkbox"/>	Motorsports	<input type="checkbox"/>
Walking/hiking	<input type="checkbox"/>	Cycling	<input type="checkbox"/>	Shopping	<input type="checkbox"/>	Other	<input type="checkbox"/>
Bird watching	<input type="checkbox"/>	Fishing	<input type="checkbox"/>	Sightseeing	<input type="checkbox"/>		

7. Please read the statements below concerning the quality of goods and services in the Brecon Beacons National Park. For each statement tick your opinion.

	Strongly agree	Agree	Uncertain	Disagree	Strongly disagree
My accommodation was good value for money.					
There is a wide range of different attractions for families.					
The goods and produce available in the park are of a high quality.					
The level of customer service in restaurants/cafes/pubs met or exceeded expectations.					
Visitor information is easily accessible throughout the park.					

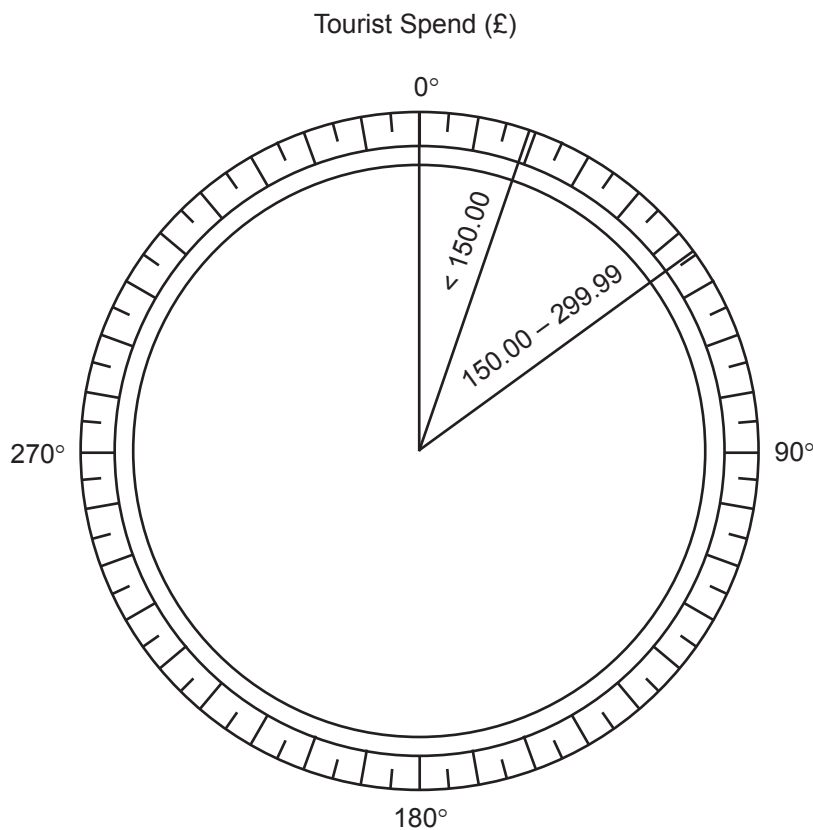
Source: Principal Examiner

- (iv) Study **Resource 2E**, which shows the results obtained from Question 4 in the questionnaire from 1000 tourists, and **Resource 2F**, a partially completed pie chart to illustrate this data.

Resource 2E

Tourist Spend (£)	Number of Tourists	Degrees for a pie chart sector (°)
< 150.00	53	19
150.00 – 299.99	97	35
300.00 – 449.99	350	126
450.00 – 599.99	286	103
600.00 – 850.00	115	
> 850.00	99	

Resource 2F



- Complete the table (**Resource 2E**) by calculating the missing values. [2]
- Using **Resource 2E**, draw and label the remaining four sectors to complete the pie chart, **Resource 2F**. [4]

Examiner Only	
Marks	Remark

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ROADS AND PATHS Not necessarily rights of way

- M1 or A6(M) Motorway
- A 35 Dual carriageway
- A 30 Main road
- B 3074 Secondary road
- Narrow road with passing places
- Road under construction
- Road generally more than 4 m wide
- Road generally less than 4 m wide
- Other road, drive or track, fenced and unfenced
- Gradient: steeper than 20% (1 in 5) 14% (1 in 7) to 20% (1 in 5)
- Ferry; Ferry P - passenger only
- Path

RAILWAYS

- Multiple track } Standard gauge
- Single track } Standard gauge
- Narrow gauge or Light Rapid Transit System (LRTS) and station
- Road over; road under; level crossing
- Cutting; tunnel; embankment
- Station, open to passengers; siding

PUBLIC RIGHTS OF WAY Not shown on maps of Scotland

- Footpath
 - Bridleway
 - Byway open to all traffic
 - Restricted byway-not for use by mechanically propelled vehicles
- The representation on this map of any other road, track or path is no evidence of the existence of a right of way

OTHER PUBLIC ACCESS

- Other routes with public access
- The exact nature of the rights on these routes and the existence of any restrictions may be checked with the local highway authority. Alignments are based on the best information available
- Recreational route
 - National Trail / Long Distance Route
 - Permissive footpath } See note below
 - Permissive bridleway }
 - Footpaths and bridleways along which landowners have permitted public use but which are not rights of way. The agreement may be withdrawn.
 - Traffic-free cycle route
 - National cycle network route number - traffic free; on road

BOUNDARIES

- National
- County (England)
- Unitary Authority (UA), Metropolitan District (Met Dist), London Borough (LB) or District (Scotland & Wales are solely Unitary Authorities)
- Civil Parish (CP) (England) or Community (C) (Wales)
- National Park

HISTORICAL FEATURES

- Site of antiquity
- Site of battle (with date)
- VILLA Roman
- Castle Non-Roman
- Visible earthwork

Information provided by English Heritage for England and the Royal Commissions on the Ancient and Historical Monuments for Scotland and Wales

GENERAL FEATURES

- Gravel pit
- Sand pit
- Triangulation pillar
- Mast
- Windmill; with or without sails
- Wind pump; wind turbine
- Slopes
- Place of worship
- Current or former place of worship - with tower - with spire, minaret or dome
- Building; important building
- Glasshouse
- Youth hostel
- Bunkhouse / camping barn / other hostel
- Bus or coach station
- Lighthouse; disused lighthouse;
- Beacon
- BP Boundary post
- BS Boundary stone
- CG Cattle grid
- CH Clubhouse
- Footbridge
- MP; MS Milepost; milestone
- Mon Monument
- PO Post office
- Pol Sta Police station
- Sch School
- TH Town hall
- NTL Normal tidal limit
- W; Spr Well; spring

HEIGHTS AND NATURAL FEATURES

- 52 Ground survey height
 - 284 Air survey height
- Surface heights are to the nearest metre above mean sea level. Where two heights are shown, the first height is to the base of the triangulation pillar and the second (in brackets) to the highest natural point of the hill

- Vertical face/cliff
- Boulders
- Loose rock
- Outcrop
- Scree
- Water; mud
- Sand; sand and shingle

ACCESS LAND

- DANGER AREA Firing and test ranges in the area. Danger! Observe warning notices
- MANAGED ACCESS Access permitted within managed controls, for example, local bylaws.
- England and Wales Access land boundary and tint
- Access land in wooded area
- Access information point
- Scotland National Trust for Scotland, always open
- National Trust for Scotland, limited access - observe local signs
- Forestry Commission Land
- Woodland Trust Land

Portrayal of access land on this map is intended as a guide to land which is normally available for access on foot, for example access land created under the Countryside and Rights of Way Act 2000, and land managed by the National Trust, Forestry Commission and Woodland Trust.

Access for other activities may also exist. Some restrictions will apply; some land will be excluded from open access rights.

The depiction of rights of access does not imply or express any warranty as to its accuracy or completeness. Observe local signs and follow the Countryside Code.

TOURIST AND LEISURE INFORMATION

- Building of historic interest
- Boat trips
- Boat hire
- Cadw (Welsh heritage)
- Camp site/Caravan site
- Castle / fort
- Cathedral / Abbey
- Craft Centre
- Country park
- Cycle hire
- Cycle trail
- English Heritage property
- Fishing
- Forestry Commission visitor centre
- Garden / arboretum
- Golf course or links
- Historic Scotland
- Information centre, seasonal
- Horse riding
- Museum
- Mountain bike trail
- Nature reserve
- National Trust property
- Other tourist feature
- Parking / Park and ride, all year / seasonal
- Picnic site
- Preserved railway
- Public Convenience
- Public house/s
- Recreation / leisure / sports centre
- Slipway
- Telephone (public/ roadside assistance/ emergency)
- Theme / pleasure park
- Viewpoint
- Visitor centre
- Walks / trails
- Water activities
- World Heritage site or area

